



## Permit to Install Terms and Conditions

US EPA RECORDS CENTER REGION 5



482369

ENTERED

Application No. 17-051

APS Premise No. 1741180064

Permit Fee: \$230.00

Name of Facility: Titanium Metal Corporation of America

Person to Contact: D. R. Stauver

Address: 100 Titanium Way  
Toronto, Ohio 43964

Location of proposed source(s): 100 Titanium Way  
Toronto, Ohio

Description of proposed source(s): Everett 26" wet abrasive cut off saw,  
Continental International 30" abrasive saw  
and associated wastewater treatment facilities

Date of Issuance: September 4, 1981

Effective Date: September 4, 1981

The above named entity is hereby granted a permit to install for the above described source(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described source(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

REPORT ON APPLICATION FOR PERMIT TO INSTALL AND DETAIL PLANS

FOR WASTEWATER TREATMENT FACILITIES

TO SERVE A 30" CONTINENTAL WET ABRASIVE CUT OFF SAW

AT THE TITANIUM METALS CORPORATION

TORONTO, OHIO

Logan, Ohio, May 12, 1981

An application for Permit to Install and detail plans for wastewater treatment facilities to serve a 30" Continental wet abrasive cut off saw at the Toronto Plant were submitted to the North Ohio Valley Air Authority on December 10, 1980, by D. R. Stauver, Environmental Engineer. Additional information was submitted to the Ohio EPA, Southeast District Office on February 6, 1981.

The following documents and drawings were submitted:

1. One copy, Application for Permit to Install
2. One copy, Plant Layout Map
3. One copy, Flow Diagram of Wastewater Treatment Facilities

The Titanium Metals Corporation has proposed to install a 30" Continental wet abrasive cut off saw at the Toronto Plant which is used to cut up to 4" diameter titanium bars in lengths of 14 to 17 feet.

Wastewater Treatment Facilities: Cooling water is used to contact the titanium bars at the wheel of the abrasive saw. The cooling water is fed by a pump at a rate of 30 gallons/minute. The cooling water is then collected and gravity fed to a Delpark Filter Model G48A98, which removes particles of titanium and silicon carbide from the abrasive wheel. The clarified cooling water then flows to a 213 gallon tank where it is again pumped back to the saw as coolant. All water from the operation is recirculated, there will be no wastewater discharges.

Solid Waste Disposal: All solids (titanium and silicon carbide ) collected by the filter will be mixed with titanium swarf and hauled to a burn site presently under permit by NOVA.

Evaluation: Proper operation and maintenance of the wastewater treatment facilities will result in complete recirculation of the wastewater, with no discharge to waters of the state.

Cost and Construction Schedule: The estimated cost of the wastewater treatment facilities is \$6000.

Construction is scheduled to begin in February 1981 and is expected to be completed in April 1981.

Conclusions: This application for Permit to Install and detail plans have been reviewed and are recommended for approval.

Donald T. Fulkerson  
Group Chief  
Industrial Wastewater Pollution Control Group

DTF/cah